

Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (original) A method for forming a homogeneous mixture of powder organic materials including at least one dopant component and one host component to form a pellet for use in thermal physical vapor deposition to produce an organic layer on a substrate for use in an organic light-emitting device, comprising:

- a) combining organic materials in a powder form, such materials including at least one dopant component and one host component and placing the powder organic materials in a container;
- b) heating the container having the powder organic materials in a range of temperatures from 40 to 100°C for 30 to 100 minutes while purging the atmosphere in the container so that the atmosphere has a reduced pressure in a range from 10^{-1} to 10^{-3} Torr to remove moisture from the container atmosphere;
- c) filling the container with an inert atmosphere;
- d) mixing the powder organic materials in the inert atmosphere using a mixing mechanism to form a homogeneous mixture of powder organic materials; and
- e) compacting the homogenous mixture of powder organic materials to form a pellet suitable for thermal physical vaporization to produce an organic layer on a substrate for use in an organic light-emitting device.

2. (original) The method of claim 1 wherein the mixing mechanism includes a propeller or a turbine blade.

3. The method of claim 1 wherein the amount of dopant component varies between 0.1 and 20% by weight of the total weight of the mixture.

4. (original) The method of claim 1 wherein the inert atmosphere includes nitrogen gas, argon gas, or a mixture thereof.

5. (original) The method of claim 1 wherein the homogeneous mixture of powder organic materials is compacted at a pressure in a range of 3,000 to 20,000 pounds per square inch.

6. (original) The method of claim 1 further including storing the container before mixing in a reduced pressure atmosphere in a range from 10^{-1} to 10^{-3} Torr.

7. (original) The method of claim 1 wherein mixing using the mixing mechanism includes rotating the mixing mechanism in a first periodic motion at a rate in a range of 20,000 to 50,000 revolutions per minute.

8. (original) The method of claim 1 wherein mixing includes rotating the container in a second periodic motion at a rate in a range of 10 to 60 revolutions per minute.

9. (original) The method of claim 1 wherein mixing using the mixing mechanism includes reciprocating the mixing mechanism in a third periodic motion at a rate in a range of 30 to 60 cycles per minute.

10. (original) The method of claim 9 wherein the third periodic motion of the mixing mechanism includes traversing the length inside of the sealed container by means of a pneumatic cylinder and a traversing bracket.

11. (original) The method of claim 8 wherein moving the mixing mechanism in a second periodic motion includes rotating or turning the container.

12. (original) The method of claim 7 wherein the mixing mechanism is moved in a first periodic direction opposite the second periodic direction of the container.

13. (original) The method of claim 7 wherein the mixing mechanism is moved in a first periodic direction corresponding to the second periodic direction of the container.

14. Cancelled.

15. Cancelled.

16. Cancelled.

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19. Cancelled.

20. Cancelled.

21. Cancelled.

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23. Cancelled.

24. Cancelled.
25. Cancelled.
26. Cancelled.